

Message Text

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PAGE 01 STATE 056699

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ORIGIN NASA-02

INFO OCT-01 EUR-12 ISO-00 OES-03 ACDA-05 CIAE-00 DODE-00

PM-03 INR-07 L-02 NSAE-00 NSC-05 /040 R

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APPROVED BY OES/SCI/SEP:OGANLEY
OES/SCI/SEP:RLIIMATAINEN
EUR/SOV:TWALSH

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P 132156Z MAR 75
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW PRIORITY

C O N F I D E N T I A L STATE 056699

E.O. 11652: N/A

TAGS: UR TPHY

SUBJECT: SOVIET SALYUT 4 EXPERIMENTS

REF; MOSCOW 1422

NASA REPORTS FOLLOWING ON QUESTIONS RAISED REFTEL:

1. PRESS RELEASES ON SALYUT-4 INDICATE THAT SOVIETS HAVE USED ULTRAVIOLET AND INFRARED ABSORPTION OF SUN'S RAYS IN LOWER ATMOSPHERE TO MEASURE OZONE AND WATER VAPOR. SOVIET INSTRUMENT USED FOR THESE MEASUREMENTS IS MATCHED TO OZONE AND WATER VAPOR FREQUENCIES. IT DIFFERS FROM MA-059 AND

MA-083 EXPERIMENTS ON ASTP, WHICH ARE DESIGNED FOR OTHER OBJECTIVES: MEASURING OXYGEN AND NITROGEN AT ASTP ORBITAL ALTITUDE AND SHORT WAVELENGTH EXTREME UV RADIATION FROM SPACE. SINCE THERE IS NO OVERLAP WITH ASTP EXPERIMENTS, SALYUT-4 EXPERIMENTS HAVE NOT BEEN DISCUSSED IN ASTP CONTEXT. IN ANY EVENT, SOVIETS USUALLY REPORT RESULTS THIS SORT OF EXPERIMENT AT INTERNATIONAL SCIENTIFIC MEETINGS. INGERSOLL

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SCIENTIFIC COOPERATION, SPACE FLIGHT, SALYUT-4, EXPERIMENTS
Control Number: n/a
Copy: SINGLE
Draft Date: 13 MAR 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: greeneet
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE056699
Document Source: CORE
Document Unique ID: 00
Drafter: I/ OEANDERSON
Enclosure: n/a
Executive Order: GS
Errors: N/A
Film Number: D750088-0909
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19750353/aaaabvho.tel
Line Count: 52
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN NASA
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 1
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 75 MOSCOW 1422
Review Action: RELEASED, APPROVED
Review Authority: greeneet
Review Comment: n/a
Review Content Flags:
Review Date: 12 JUN 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <12 JUN 2003 by izenbei0>; APPROVED <21 OCT 2003 by greeneet>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
05 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: SOVIET SALYUT 4 EXPERIMENTS
TAGS: TPHY, TSPA, UR
To: MOSCOW
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006